

**Lloyd's Register of Shipping.**  
**SURVEYS FOR FREEBOARD.**  
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name <b>CONNAUGHT.</b>	Official Number <b>132019</b>	Nationality and Port of Registry <b>British Liverpool.</b>	Gross Tonnage <b><del>2284</del> 1686</b>	Date of Build <b>1912 3</b>	Port of Survey
Dimensions: Length <b>324' 7"</b> Breadth <b>41' 50"</b> Depth <b>17' 92"</b>					Date of Survey <b>2/11/42</b>
displacement at moulded draught = 85 per cent. of moulded depth <b>3514</b> tons					Surveyor's Signature
nt of fitness for use with Tables <b>.68 (.599 ACTUAL)</b>					Particulars of Classification <b>+100 M with fuel tank</b>

Depth for Freeboard (D).		Depth correction.		Round of Beam correction.	
Depth	17.92	(a) Where D is greater than Table depth		Moulded Breadth (B)	41.50
Table	04	(D - Table depth) R =		Standard Round of Beam = $\frac{B \times 12}{50}$	9.96
on exposed deck	3"	(b) Where D is less than Table depth (if allowed)		Ship's Round of Beam	4.00
(-S)	02	(Table depth - D) R =		Difference DEFICIENT	5.96
L	25 x 0968	(21.65 - 17.98) 2.448	-9.167	Restricted to	
		3.67		Correction = $\frac{\text{Diff}^n}{4} \times \left(1 - \frac{S_n}{L}\right)$	$\frac{5.96}{4} \times 799 = + 30.13$
Depth for Freeboard (D) =	17.98	If restricted by superstructures	Yes, NIL.		

## DEDUCTION FOR SUPERSTRUCTURES

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
closed ...	48.50 ✓	48.50 ✓	7.25	✓	48.50
erhang ...	4.00 ✓	2.00 ✓			2.00
enclosed ...					
overhang ...					
enclosed...	150.00 ✓	150.00 ✓	7.25	✓	150.00
erhang aft ...	11.75 ✓	8.81 ✓			8.81
erhang forward	2.50 ✓	1.25 ✓			1.25
closed OPEN ...	76.50 ✓	49.48 ✓	10.75	✓	49.48
erhang ...					
ft ...					
orward ...					
opening aft ...	✓	✓			✓
" forward					
Total ...	293.25	260.04			260.04

## SHEER CORRECTION

n	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
...	42.47	1	42.47	38.00	38.00	1	38.00
P. ...	18.90	4	75.60	8.50	13.43	4	53.72
...	4.67	2	9.34	1.50	3.36	2	6.72
...	-	4	-	-	-	4	-
P. ...	9.34	2	18.68	8.50	8.09	2	16.18
...	37.80	4	151.20	30.50	32.28	4	129.52
...	84.94	1	84.94	70.00	70.00	1	70.00
P. ...			382.23				314.14

Mean actual sheer aft = DEFICIENT. ✓  
Mean standard sheer aft =

Mean actual sheer forward = DEFICIENT. 8456 STANDARD.  
Mean standard sheer forward =

Length of enclosed superstructure forward of amidships = } DEFICIENT SHEERS  
1.  
" " aft of " = }

SHEERS FORWARD

4.34	3	28.02	1	8.09	3	24.27
37.80	3	113.40	1	32.38	3	97.14
84.94	1	84.94	1	70.00	1	70.00
						191.41
						226.36

16) = +1.13" ✓

If limited to maximum allowance of 1½ ins. per 100 ft. ✓

n for Tropical Freeboard.  
 for Winter and Winter North  
 e Freeboard.

both to Freeboard Deck =  $\frac{17.99}{\text{Ft.}}$   
 Summer freeboard =  $1.98$   
 Moulded draught (d) =  $16.08$

Tropical Freeboard and addition for  
 Freeboard =  $\frac{d}{4}$  inches =  $4.02 = 4$ "

Winter North Atlantic Freeboard (if  
 = + 2"

Deduction for Fresh  
 Water.

Displacement in salt water at  
 summer load water line

$\Delta =$

Tons per inch immersion at  
 summer load water line

$T =$

Deduction =  $\frac{\Delta}{40T}$  inches

$=$

$\frac{d}{4} = 4$ "

TABULAR FREEBOARD corrected for Plush Deck (if required)		49.62
Correction for coefficient	NIL	49.62
Depth Correction	-	-
Deduction for superstructures	- 27.89	87.51
Sheer correction	1.13	3.11
Round of Beam correction	.30	-
Correction for Thickness of Deck amidships	.56	-
Other corrections, scantlings, etc.	-	-
	1.99	27.89 - 25.90
	Summer Freeboard =	23.72

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :		
Tropical Fresh Water Line above Centre of Disc ...	8" ...	Tropical Fresh Water Freeboard ...
Fresh Water Line " " ...	4" ...	Fresh Water " " ...
Tropical Line " " ...	4" ...	Tropical " " ...
Winter Line below " " ...	4" ...	Winter " " ...
Winter North Atlantic Line " " ...	6" ...	Winter North Atlantic " " ...

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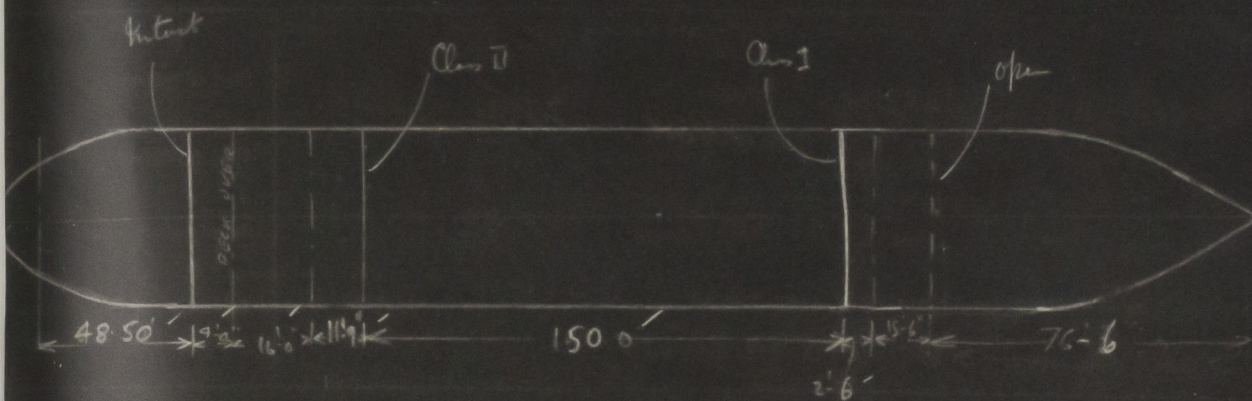


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# "LAOY Connought"

A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.



measured length of 70' 6" 6."

$$\begin{aligned}
 \text{and open} &= 76.50 \checkmark \\
 L &= 32.47 \checkmark \\
 &= 44.03 \checkmark \\
 \frac{1}{2} &= 22.02 \checkmark \\
 47' \times .8956 &= 27.46 \checkmark \\
 \text{measured length} &= 49.48 \checkmark
 \end{aligned}$$



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